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Sequence Listing could not be accepted due to errors.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).

Reviewer: Anne Corrigan

Timestamp: [year=2008; month=11; day=7; hr=14; min=34; sec=38; ms=420; ]

=====

\*\*\*\*\*

Reviewer Comments:

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120

attagggcatg gggccgaagt tcatgcagtg atgagtgagg cagccaccaa gataattcat  
180

The above lines are a sample of "wrapped" nucleotide totals appearing under their respective lines. Please do not open and save a PatentIn-generated file in a word processing software; PatentIn margins are fixed, and re-saving the file in a word processing program will "skew" the margins. Same error in Sequences 20-36, and throughout the file.

\*\*\*\*\*

Application No: 09631613 Version No: 3.0

Input Set:

Output Set:

**Started:** 2008-10-07 15:07:33.186  
**Finished:** 2008-10-07 15:07:53.432  
**Elapsed:** 0 hr(s) 0 min(s) 20 sec(s) 246 ms  
**Total Warnings:** 83  
**Total Errors:** 401  
**No. of SeqIDs Defined:** 89  
**Actual SeqID Count:** 89

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W 213	Artificial or Unknown found in <213> in SEQ ID (1)
W 213	Artificial or Unknown found in <213> in SEQ ID (2)
W 213	Artificial or Unknown found in <213> in SEQ ID (3)
W 213	Artificial or Unknown found in <213> in SEQ ID (4)
W 213	Artificial or Unknown found in <213> in SEQ ID (5)
W 213	Artificial or Unknown found in <213> in SEQ ID (6)
W 213	Artificial or Unknown found in <213> in SEQ ID (7)
W 213	Artificial or Unknown found in <213> in SEQ ID (8)
W 213	Artificial or Unknown found in <213> in SEQ ID (9)
W 213	Artificial or Unknown found in <213> in SEQ ID (10)
W 213	Artificial or Unknown found in <213> in SEQ ID (11)
W 213	Artificial or Unknown found in <213> in SEQ ID (12)
W 213	Artificial or Unknown found in <213> in SEQ ID (13)
W 213	Artificial or Unknown found in <213> in SEQ ID (14)
W 213	Artificial or Unknown found in <213> in SEQ ID (15)
W 213	Artificial or Unknown found in <213> in SEQ ID (16)
W 213	Artificial or Unknown found in <213> in SEQ ID (17)
E 254	The total number of bases conflicts with running total Input: 0, Calculated : 60 SEQID(18)
E 323	Invalid/missing amino acid numbering SEQID (18) POS (2)

**Input Set:**

**Output Set:**

**Started:** 2008-10-07 15:07:33.186  
**Finished:** 2008-10-07 15:07:53.432  
**Elapsed:** 0 hr(s) 0 min(s) 20 sec(s) 246 ms  
**Total Warnings:** 83  
**Total Errors:** 401  
**No. of SeqIDs Defined:** 89  
**Actual SeqID Count:** 89

Error code	Error Description
E 323	Invalid/missing amino acid numbering SEQID (18)at Protein (5)
E 323	Invalid/missing amino acid numbering SEQID (18)at Protein (10)
E 323	Invalid/missing amino acid numbering SEQID (18)at Protein (15)
E 254	The total number of bases conflicts with running total Input: 0, Calculated : 120 SEQID(18)
E 323	Invalid/missing amino acid numbering SEQID (18) POS (1)
E 323	Invalid/missing amino acid numbering SEQID (18) POS (2)
E 323	Invalid/missing amino acid numbering SEQID (18)at Protein (5)
E 323	Invalid/missing amino acid numbering SEQID (18)at Protein (10)
E 323	Invalid/missing amino acid numbering SEQID (18)at Protein (15)
E 254	The total number of bases conflicts with running total Input: 0, Calculated : 180 SEQID(18)
E 323	Invalid/missing amino acid numbering SEQID (18) POS (1)
E 323	Invalid/missing amino acid numbering SEQID (18) POS (2)
E 323	Invalid/missing amino acid numbering SEQID (18)at Protein (5)
E 323	Invalid/missing amino acid numbering SEQID (18)at Protein (10)
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E 323	Invalid/missing amino acid numbering SEQID (18) POS (1)
E 323	Invalid/missing amino acid numbering SEQID (18) POS (2)
E 323	Invalid/missing amino acid numbering SEQID (18)at Protein (5)
E 323	Invalid/missing amino acid numbering SEQID (18)at Protein (10)
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**Input Set:**

**Output Set:**

**Started:** 2008-10-07 15:07:33.186  
**Finished:** 2008-10-07 15:07:53.432  
**Elapsed:** 0 hr(s) 0 min(s) 20 sec(s) 246 ms  
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**No. of SeqIDs Defined:** 89  
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Error code	Error Description
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**Input Set:**

**Output Set:**

**Started:** 2008-10-07 15:07:33.186  
**Finished:** 2008-10-07 15:07:53.432  
**Elapsed:** 0 hr(s) 0 min(s) 20 sec(s) 246 ms  
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**Total Errors:** 401  
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W 402	Undefined organism found in <213> in SEQ ID (47)

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Hansen, Connie J

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<140> 09631613

<141> 2000-08-04

<150> US 08/957,709

<151> 1997-10-24

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180  
  
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35 40 45

Ala Val Met Ser Glu Ala Ala Thr Lys Ile Ile His Pro Tyr Ala Trp  
50 55 60

Asn Leu Pro Thr Gly Asn Pro Val Ile Thr Glu Ile Thr Gly Phe Ile  
65 70 75 80

Glu His Val Glu Leu Ala Gly Glu His Glu Asn Lys Ala Asp Leu Ile  
85 90 95

Leu Val Cys Pro Ala Thr Ala Asn Thr Ile Ser Lys Ile Ala Cys Gly  
100 105 110

Ile Asp Asp Thr Pro Val Thr Thr Val Val Thr Thr Ala Phe Pro His  
115 120 125

Ile Pro Ile Met Ile Ala Pro Ala Met His Glu Thr Met Tyr Arg His  
130 135 140

Pro Ile Val Arg Glu Asn Ile Glu Arg Leu Lys Lys Leu Gly Val Glu  
145 150 155 160

Phe Ile Gly Pro Arg Ile Glu Glu Gly Arg Ala Lys Val Ala Ser Ile  
165 170 175

Asp Glu Ile Val Tyr Arg Val Ile Lys Lys Leu His Lys Lys Thr Leu  
180 185 190

Glu Gly Lys Arg Val Leu Val Thr Ala Gly Ala Thr Arg Glu Tyr Ile  
195 200 205

Asp Pro Ile Arg Phe Ile Thr Asn Ala Ser Ser Gly Lys Met Gly Val  
210 215 220

Ala Leu Ala Glu Glu Ala Asp Phe Arg Gly Ala Val Thr Leu Ile Arg  
225 230 235 240

Thr Lys Gly Ser Val Lys Ala Phe Arg Ile Arg Lys Ile Lys Leu Lys  
245 250 255

Val Glu Thr Val Glu Glu Met Leu Ser Ala Ile Glu Asn Glu Leu Arg  
260 265 270

Ser Lys Lys Tyr Asp Val Val Ile Met Ala Ala Ala Val Ser Asp Phe  
275 280 285

Arg Pro Lys Ile Lys Ala Glu Gly Lys Ile Lys Ser Gly Arg Ser Ile  
290 300

Thr Ile Glu Leu Val Pro Xaa Asn Pro Lys Ile Ile Asp Arg Ile Lys



305 310 315 320

Glu Ile Gln Pro Asn Val Phe Leu Val Gly Phe Lys Ala Glu Thr Ser  
325 330 335

Lys Glu Lys Leu Ile Glu Glu Gly Lys Arg Gln Ile Glu Arg Ala Lys  
340 345 350

Ala Asp Leu Val Val Gly Asn Thr Leu Glu Ala Phe Gly Ser Glu Glu  
355 360 365

Asn Gln Val Val Leu Ile Gly Arg Asp Phe Thr Lys Glu Leu Pro Lys  
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